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MINUTES.

Thirty-fifth Annual Meeting, Kansas Academy of Science, December 31, 1902, and January 1 and 2, 1903.

TOPEKA, KAN., December 31, 1902.

THE Kansas Academy of Science met for the thirty-fifth annual meeting at Topeka. The sessions were held in the new museum room of the Academy, in the state-house.

The Academy was called to order by President Willard at 7:30 P. M., December 31, 1902.

The following members were present at the opening session: E. H. S. Bailey, Edw. Bartow, Edw. Bumgardner, F. W. Bushong, J. C. Cooper, L. L. Dyche, G. P. Grimsley, A. W. Jones, D. E. Lantz, J. T. Lovewell, J. R. Mead, L. E. Sayre, B. B. Smyth, E. G. Smyth, L. H. Shattuck, A. J. Smith, C. H. Sternberg, J. T. Willard, L. C. Wooster, and J. A. Yates.

The secretary's report was read and accepted. It was as follows:

SECRETARY'S REPORT.

The secretary announces with pleasure that the Executive Council of the state-house has assigned permanent quarters to the Academy. These consist of a tile-floor museum room sixty-five by thirty feet, an office-room adjoining, in which the library is located. These rooms have been newly frescoed and painted, and cases have been provided for the library and collections.

A resolution of the Academy was adopted December 29, 1900, which urged "at as early a period as possible, the establishment and maintenance by the Academy of an economic museum of the industrial products of the state for popular instruction," . . . and held that "the collection for the museum of specimens other than those having a distinct industrial value should be for the present discouraged."

In accordance with this resolution, the secretary has installed in the new museum collections representing the mineral industries of Kansas. This has been made as complete as possible in the short time since the museum room was assigned to the Academy. This will be increased during the coming year, and promises have been made by a number of our mining companies to place fine and representative exhibits in our room.

The birds and animals formerly stored in this room have been placed, by order of the executive council, in the east wing of the building, in a room adjoining the Goss ornithological collection, all under the care of B. B. Smyth.

LIBRARY.—The Academy library is a valuable reference library for the state, and probably represents one of our best scientific libraries. We have on our exchange list a number of societies and individuals to whom we send our Transactions and receive nothing in return, and this, too, with societies which publish journals and reports. From some of our exchanges these reports come very ir-

regularly. Letters will be sent to these societies, and, unless satisfactory arrangements can be made, they will be dropped from our exchange list.

LEGISLATION.—Our Academy is a coordinate branch of the State Board of Agriculture, with which, I am glad to state, we are on the best of terms at the present time. I believe the time has come, however, for us to become a separate department in the state, and I hope the Academy will try and secure a law to this end. I would suggest that one of the duties of the Academy under this new law be the publication of an annual bulletin on our mineral resources, which would make the Academy one of the practical state departments as well as purely scientific. We would sacrifice nothing and gain much valuable support.

MEMBERSHIP.—By-law V of our constitution states that "Members who shall allow their dues to remain unpaid for two years, having been annually notified of their arrearage by the treasurer, shall have their names stricken from the rolls." With the consent of the treasurer, I have sent out notices of the amount of dues unpaid to the members, and returns are coming in; but some of the people seem to be lost, as the letters are returned uncalled for. Some of the names on our rolls as members have never qualified. It does not seem just that those who have not qualified and who are behind in dues several years should have the same benefits of receiving the Transactions as those who pay each year. The trouble, in part, has been the failure to notify these persons of their indebtedness.

POLICY.—The secretary is endeavoring to place the Academy on a business basis, and to run the office on that plan. As rapidly as possible the property of the Academy is being arranged in a systematic way in the rooms and is being classified. Property which has accumulated and is of no direct value to the Academy is being thrown out. Efforts are being made to keep the exchanges in complete files, and missing numbers will be obtained as rapidly as possible. An effort will be made to secure a complete list of the science teachers and others interested in science work. If we are going to make this institution a success, every member must do his or her part, aid in securing new members, keep up their dues, and say good words for the Academy. Now is the time for this work, and let each and every one do his part. G. P. GRIMSLEY, *Secretary*.

On motion of Professor Sayre, the recommendation in report of the secretary referring to legislation was referred to a committee. The president appointed F. O. Marvin, G. P. Grimsley, A. W. Jones and E. A. Popenoe as members of this committee.

Moved and voted that a special committee be appointed to consider the secretary's report, except the section on legislation, already provided for. The committee was appointed, as follows: L. E. Sayre, D. E. Lantz, and J. T. Lovewell.

In the absence of Treasurer Franklin, Prof. E. H. S. Bailey was appointed acting treasurer.

Prof. L. E. Sayre was appointed as a committee on press reports.

The following committees were also appointed:

On program: G. P. Grimsley, F. W. Bushong, and A. J. Smith.

On membership: Warren Knaus, E. H. S. Bailey, and J. A. Yates.

On necrology: D. E. Lantz and B. B. Smyth.

On nominations: L. E. Sayre, E. A. Popenoe, and J. R. Mead.

On resolutions: L. L. Dyche and J. T. Lovewell.

The special committee on the investigation of the presence of gold in Kansas shales, in the absence of the chairman, G. H. Failyer, made only a partial report.

The committee on the relation of the Goss collection curatorship to the Academy reported, through Professor Willard, that the attorney-general seemed to recognize the power of the Executive Council of the state to appoint the curator, and they had already done this.

The following papers were then read :

1. Notes on the food habits of California sea-lions, by L. L. Dyche.
2. Loss of teeth as a disqualification for military service, by Edw. Bumgardner.

The committee on membership recommended the following eighteen persons for new members of the Academy: Harvey W. Baker, Topeka; Dr. Clarence L. Cole, Topeka; F. B. Dains, Topeka; John J. Jewett, Topeka; Pres. Norman Plass, Topeka; S. F. Poole, Wichita; C. L. Pribble, Topeka; J. L. Shearer, Halstead. Also the following, who were not present at the meeting: Dr. G. W. Hoxie, Lawrence; W. F. Hoyt, Salina; Elmer V. McCollum, Lawrence; Dr. J. M. McWharf, Ottawa; Dr. H. M. Moses, Salina; W. H. Olin, Ames, Iowa; W. H. Rice, Richmond; Miss Lumina C. Riddle, Columbus, Ohio; Arthur Ringer, Effingham; J. H. Schaffner, Columbus, Ohio. These persons were then elected members.

On motion, the Academy adjourned, to meet at nine A. M., January 1, 1903.

THURSDAY MORNING, January 1, 1903.

The Academy met in the museum room, and was called to order by President Willard.

The minutes of the preceding meeting were read and approved.

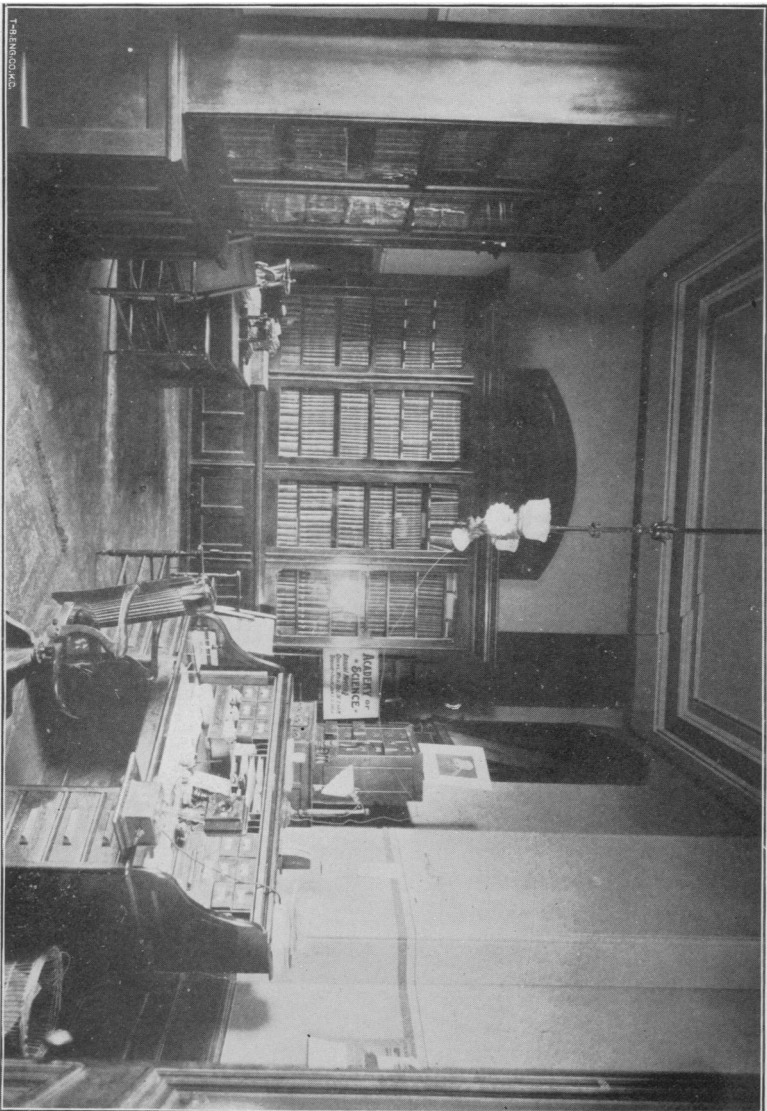
Committee on program recommended a selection of titles from the different groups on the printed program.

Moved and voted that a committee of three be appointed to determine the place for next meeting. The president appointed Warren Knaus, Edward Bartow, and J. A. Yates.

It was voted that the papers of members not in attendance be read at the option of the president, if there was time and suitable opportunity.

The reading of papers was then continued :

3. Additions to the list of Kansas Coleoptera for 1901-'02, by Warren Knaus.
4. On the alkyl sulphates, by F. W. Bushong.
5. Further notes on loco weed, by L. E. Sayre.
6. A study of dietaries in Lawrence, Kan., by E. H. S. Bailey.



OFFICE AND LIBRARY OF THE KANSAS ACADEMY OF SCIENCE,
Capitol Building, Topeka.

7. The flora of Kansas, by B. B. Smyth and J. H. Schaffner. (An outline of the paper was given by B. B. Smyth.)

8. A provisional list of the Uredineæ of Bourbon county, Kansas, by A. O. Garrett. (In the absence of the author, this paper was read by title.)

9. Experiences with early man in America, by Chas. H. Sternberg.

An auditing committee was appointed, consisting of Edw. Bartow and C. H. Sternberg.

The Academy then adjourned, to meet at two P. M.

THURSDAY AFTERNOON, January 1, 1903.

The Academy met in the usual place, with President Willard in the chair.

Prof. E. H. S. Bailey, as acting treasurer, reported a balance in the treasury of \$117.43, without including the dues paid at the present meeting. The report was referred to the auditing committee.

It was moved and voted that a sum not to exceed fifty dollars be allowed by the Academy for illustrations for the next volume of the Transactions.

A report on the proper acceptance by the Academy of the Quintard conchological collection was made through Prof. D. E. Lantz. It was voted that a written report be filed for record. The report was as follows:

The minutes of the proceedings of the meeting of the Academy held at Topeka December 29, 1900, show that an announcement was then made to the effect that the Quintard collection had come into the custody of the curators of the Academy, to be exhibited in the state museum, after which this committee was appointed. This announcement was made by the then acting curator, B. B. Smyth, who now explains that the collection is held by him under a receipt as follows:

"SILVER LAKE, May 31, 1900.

"This is a receipt for the Quintard conchological collection of shells, donated by the heirs of J. B. Quintard to the state of Kansas, to be arranged and displayed and properly cared for in the museum at the state-house, in Topeka, on condition that it be added to or subtracted from on penalty of forfeiture and of being reclaimed by the legal heirs of J. B. Quintard. (Signed) B. B. SMYTH."

Mr. Smyth also explains that he was in error in the sketch of Mr. Quintard in our last volume of Transactions, in saying that the heirs had given the collection to the Academy.

Your committee, therefore, state that the collection has not been tendered to the Academy, that it is not now in the custody of the Academy, and there is, therefore, nothing for this committee to accept.

D. E. LANTZ, *Chairman*.
E. A. POPENOE.
B. B. SMYTH.

The report was accepted and the committee discharged.

It was moved and voted that a copy of the report be sent the Quintard heirs.

The committee on membership recommended the following persons for membership, and it was so voted: Miss Edith A. McIntyre, Manhattan; H. I. Woods, Topeka; F. B. Isely, Wichita; Pierce Larkin (not present), Norman, Okla.

The committee further recommended, and the Academy elected, the following persons as life members, when they complied with the conditions of the constitution: F. O. Marvin, Lawrence; L. E. Sayre, Lawrence; Warren Knaus, McPherson.

Prof. S. W. Williston, of the University of Chicago, was elected an honorary member of the Academy.

The committee presented memorials on Dr. Geo. T. Fairchild, Col. N. S. Goss, and Davis A. Boyles.

Moved and voted that the report be accepted, and the memorials be published.

Committee on secretary's report, through Prof. L. E. Sayre, moved the report be adopted and the same be spread upon the minutes, and it was so voted.

The committee on portion of secretary's report referring to legislation reported as follows:

1. That in the opinion of the committee it is inadvisable at the present time to ask for any change in the relation of the Kansas Academy of Science to the state.

2. That if legal steps, such as a legislative act or action of the Executive Council of the state are found to be needed to place the Goss ornithological collections under the control of the Academy of Science, the executive committee of the Academy be instructed to take such steps at once.

The report was adopted.

The reading of papers was then resumed:

10. On the action of the acid reagents on the substituted ureas, by F. B. Dains.

11. Gold in Kansas, by J. T. Lovewell.

12. The eleven and one-half inch equatorial of the Washburn College observatory, by H. I. Woods.

The committee on nominations recommended the following officers for the year:

President, J. C. Cooper, Topeka.

Vice-presidents, Edward Bartow, Lawrence; J. A. Yates, Ottawa.

Treasurer, Alva J. Smith, Emporia.

Secretary, G. P. Grimsley, Topeka.

It was voted that the president cast the vote of the Academy for these officers, and the vote was cast.

The Academy then adjourned, to meet at eight P. M.

THURSDAY EVENING, January 1, 1903.

The meeting was called to order in the Academy rooms by Vice-president Edw. Bartow.

President Willard then delivered his presidential address on the subject "The Limitations and Mission of Science."

At the close of the address the reading of papers was continued :

13. Statistics relating to Kansas birds, by D. E. Lantz.

14. The extent and thickness of the Oklahoma gypsum, by C. N. Gould.

15. Determination of oaks by chemical analysis of the ash, by E. B. Knerr.

16. The Coleoptera of Kansas—the families Cicindelidæ, Scydmaenidæ, and Pselaphidæ, by Warren Knaus.

17. Examination of some Kansas petroleum, by Edw. Bartow and E. V. McCollum. (Read by Edw. Bartow.)

The Academy, on motion, adjourned at ten P. M., to meet Friday morning at 8:30.

FRIDAY MORNING, January 2, 1903.

The Academy met in the museum room, with President Willard in the chair.

The minutes of the preceding meetings were read and approved.

It was voted that all papers for publication should be placed in the hands of the secretary by the middle of the next week, and those papers not so placed be left over until the next volume.

Committee on place of next meeting reported in favor of Manhattan or Salina as the place.

Moved the report be received, and Manhattan be the place of meeting. An amendment to substitute Salina was lost, and the original motion was carried.

Committee on resolutions had no report to present.

W. A. Harshbarger, Topeka, and H. T. Martin, Lawrence (not present), were elected members of the Academy. This made twenty-four new members elected. In all, there were thirty-eight new and old members present at the meetings, and, in addition, a number of visitors.

It was voted that J. R. Mead be made a committee of one to collect photographs of members of the Academy, for preservation at the office of the Academy.

It was moved and voted that a committee be appointed to draft suitable resolutions to show a recognition of the kindness of the Executive Council of the state in assigning the Academy new quarters. Referred to L. L. Dyche and J. C. Cooper.

It was voted that a limited amount of money be expended for completing the files of serial publications in the library.

The reading of papers was then resumed :

18. Further studies in the Dakota and Mentor beds, by A. W. Jones.

19. Coleoptera of the Sacramento mountains of New Mexico, by Warren Knaus.

20. Crystalline liquids, by Fred S. Porter. (Abstract read by Edw. Bartow.)

21. Physical tests applied to gypsum wall plasters, by G. P. Grimsley.

22. A new condenser for preparing distilled water in large quantities, by J. T. Willard.

23. Food habits of the common garden mole, by L. L. Dyche.

Dr. F. H. Snow presented abstracts of his papers :

24. Some notes on the birds of Kansas.

25. The insects of Hamilton and Morton counties.

26. A collecting trip to central Arizona.

The following papers were then read by title :

27. A new species of fish, by F. F. Crevecoeur.

28. Exotic Coccidæ, by S. J. Hunter.

29. Artificial parthenogenesis induced by solutions concentrated by evaporation, by S. J. Hunter.

30. Analysis of some Oklahoma salt and gypsum waters, by R. S. Sherwin.

31. Ionic velocities in liquid ammonia solutions, by E. C. Franklin and H. P. Cady.

32. Hydrofluoric acid as an electrolytic solvent, by E. C. Franklin and H. P. Cady.

33. The liquid-air plant at the University of Kansas, by E. C. Franklin.

34. Further conductivity measurements of liquid ammonia solutions, by E. C. Franklin.

35. The log of the Winfield gas-well, by R. B. Dunlevy.

36. List of fossil plants collected in the vicinity of Onaga, by F. F. Crevecoeur.

37. Notes on the fossil mammoth from near Winfield, by R. B. Dunlevy.

38. Notes on the geology of Antelope hills, by R. S. Sherwin.

39. A contribution to the medicinal plants of Kansas from an economic point of view, by L. E. Sayre.

40. A review of the weather during the crop season of 1902, by T. B. Jennings.

41. Springs of Woods county, Oklahoma, by Pierce Larkin.
42. Preliminary list of Diptera of Kansas, by F. H. Snow.
43. Notes on the geology of Wichita, Kan., by C. N. Gould.
44. The asphalt mines of the Indian Territory, by C. N. Gould.

The committee on resolution drafted for the Executive Council reported the following, which was adopted:

Resolved, That the thanks of the Academy be extended to the Executive Council of the state for furnishing the Academy with the comfortable quarters we now enjoy. It will add very materially to the standing and usefulness of the Academy.

It was moved and voted that the secretary be instructed and provided with funds for preparing a directory of all science teachers and investigators in the state.

The minutes of this meeting were read and approved.

The Academy then adjourned *sine die*.

G. P. GRIMSLEY, *Secretary*.